

ILLINOIS POWER COMPANY

Electric Distribution Plant

Projects with Individual Plant Addition Amounts in Excess of \$500,000  
Completed During the Period 1998 through 2000

<u>Line No.</u>	<u>Name of Project</u>	<u>Year Placed In Service</u>	<u>Total Plant Addition Amount</u>
1	Normal East Line 3423	1998	\$ 568,777
2	1999 Planning Study Overhead Line Projects	1999	3,840,462
3	Litchfield Substation	1999	605,603
4	Line 3456 Rebuild from Fillmore Substation	2000	950,575
5	O'Fallon Troy Road Substation	1999	541,102
6	Fox Creek Underground	2000	799,010
7	MAA On-Site Distribution System	2000	656,102
8	Champaign Southwest Campus Transformer	2000	721,409
9	Arlington Primary Underground Replacement	2000	<u>1,042,385</u>
10	Total		<u>\$ 9,725,425</u>

## Electric Distribution Plant

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1 Normal East Line 3423

2       The Normal East Line 3423 project consisted of building a new three mile 34 Kv line from  
3 Illinois Power's Normal East Substation to alleviate the overloading of Line 3423. The project also  
4 consisted of reconductoring a section of Line 3484 to allow for reconfiguring the  
5 34 Kv system in this part of Bloomington-Normal. Rapid load growth in the northeastern areas of  
6 Bloomington-Normal created an overload condition on Line 3423.

7 1999 Planning Study Overhead Line Projects

8       Based on the results of the annual system analysis and several major distribution planning  
9 studies, approximately 600 distribution system projects were recommended and scheduled for  
10 completion in 1999. Both the annual analysis and the major study projects were identified to address  
11 planning voltage and thermal criteria "gaps". Both analyses were based on weather-normalized 1997  
12 summer peak load data. About 360 of the total 600 projects involved phase changes and fuse  
13 replacements. The remaining projects included line reconductoring, phase extensions, voltage regulator  
14 additions, capacitor bank additions, recloser upgrades, 4 Kv to 12 Kv conversions and feeder  
15 construction associated with new substation facilities.

16 Litchfield Substation

17       The Litchfield Substation project consisted of constructing a new 34 Kv/12 Kv 14 MVA  
18 substation in the existing industrial park and creating two new circuits. This project was required to

19 provide the capacity for future load growth and circuit reserve for the second bank serving the Litchfield  
20 area. Load growth resulted from new commercial and industrial customers on the west side of  
21 Litchfield. In addition, the new substation serves a substantial portion of the load presently served by  
22 Line 824.

### 23 Line 3456 Rebuild from Fillmore Substation

24 The first phase of the Fillmore Line 3456 project consisted of rebuilding and reconductoring  
25 almost seven miles of 34 Kv and 12 Kv lines. The project required changing the existing flat-top 34 Kv  
26 construction to shielded vertical construction and upgrading #4 aluminized copper weld conductor. The  
27 purpose of the project was to increase reliability by rebuilding the line in total due to the poor physical  
28 condition of the line and to bring the line into conformance with current material and construction  
29 standards.

### 30 O'Fallon Troy Road Substation

31 The O'Fallon Troy Road Substation project consisted of installing a new 22.4 MVA  
32 transformer and two terminal positions. The purpose of the project was to provide required transformer  
33 capacity to serve the increased load growth and also provide circuit reserve for other circuits in the  
34 O'Fallon area. Two of the existing circuits were expected to overload the existing oil circuit reclosers,  
35 regulators and some line sections with existing substations in the area were also experiencing overload  
36 conditions.

### 37 Fox Creek Underground

38 The first phase of this project removed an existing 12 Kv overhead line and installed a  
39 12 Kv three phase underground system into the Fox Creek subdivision (500 homes) and golf

40 course. The City of Bloomington was improving Fox Creek Boulevard (formerly Cabintown  
41 road) and paid the estimated cost difference between overhead and underground of \$58,000.  
42 Additional capacity of the underground conductors was installed to feed the Charles Palmer  
43 property (1200 acres), on which construction of an additional 3000-5000 homes is proposed.  
44 The second phase of this project installed the distribution to the Fox Creek subdivision and golf  
45 course. IP installed two runs of underground primary to feed the Fox Creek subdivision. The  
46 developer paid the standard contribution of \$235 per lot representing the difference in costs  
47 between underground and overhead service. The main part of this project was completed in  
48 1997. The remaining portion installed on this work request in 1998-2000 was from where the  
49 project stopped, along the west-side of the Keiser property and then west, just south of the  
50 southern property line of the Keiser property.

#### 51 MAA On-Site Distribution System

52 This project involved installation of a 12 Kv three-phase underground distribution  
53 system to serve various hangers, maintenance buildings and the main terminal facility at the new  
54 Mid-America Airport located at the intersection of I-64 and IL. Rt. 4, nine miles east of  
55 Belleville. This installation consisted of multiple runs of primary cable installed in conduits.

#### 56 Champaign Southwest Campus Transformer

57 This project involved the installation of a new 100 MVA transformer, a 69 Kv low side  
58 oil circuit breaker and a high side circuit switcher. The purpose of this project was to provide  
59 required transformer capacity to serve increased load and also to relieve an overloading

condition on the existing transformer. A portion of the existing 69 Kv bus was also upgraded to support the additional capacity.

#### Arlington Primary Underground Replacement

This was a multi-staged replacement project spanning three years to upgrade underground electric facilities in the Arlington Subdivision, Granite City. This is a very large, established subdivision that includes a golf course and clubhouse. Replacement was based on the deteriorating physical condition of the cable and equipment. Outage frequencies were increasing at a high rate and reliability was becoming difficult to maintain. The existing facilities were non-standard and replacement parts were difficult to obtain. The work consisted of installing 4 pad-mount switchgear units, 4000 feet of three-phase underground primary and 30,000 feet of single phase underground primary.

ILLINOIS POWER COMPANY

General Plant

Projects With Individual Plant Addition Amounts in Excess of \$250,000  
Completed During the Period 1998 through 2000

Line No.	Name of Project	Year Placed In Service	Total Plant Addition	Jurisdictional Electric Distribution Allocation Percentage 1)	Amount Allocated to Electric Distribution
1	Belleville Service Facility	1999	\$ 1,070,617	57.9%	\$ 619,887
2	Fleet - Electric Distribution	1999	3,424,961	57.9%	1,983,052
3	Fleet - Electric Distribution	2000	2,644,259	57.9%	1,531,026
4	Voice Radio System	2000	1,103,073	57.9%	638,679
5	Champaign Service Facility	2000	322,578	57.9%	186,773
6	Galesburg Service Facility	2000	<u>6,667,000</u>	57.9%	<u>3,861,000</u>
7	Total General Plant Projects		<u>\$ 15,232,488</u>		<u>\$ 8,820,418</u>

1) Based on labor allocation factors presented by IP witness Carter, see IP Exhibit 1.4

## General Plant

Projects with Individual Plant Addition Amounts in Excess of \$250,000  
Completed During the Period 1998 through 2000Belleville Service Facility

The Belleville Service Facility project consisted of remodeling the existing facility. The remodeling allowed for needed updating of the front office area of the service unit for local field management personnel and construction of the second Distribution Design Center (“DDC”) in the rear area of the facility to establish a centralized engineering group in the southern part of IP’s service territory. Benefits from the southern DDC include improvement in customer project quality, reduced material costs due to standardization and better customer response.

Fleet – Electric Distribution

Electric vehicle fleet purchase and replacement involves the annual purchase and replacement of vehicles and associated equipment utilized in the provision of electric service to customers. Examples of the types of equipment included are automobiles, light duty trucks, medium duty trucks such as aerial devices, material handlers, digger derricks, digging equipment, trenchers, trailers and other service-related equipment. Illinois Power is continuously purchasing and replacing vehicles and equipment used to provide electric service. By replacing vehicles on a set schedule related to either miles or age of vehicle, the Company obtains benefits from more modern vehicle technology, improved productivity and fuel economies, and minimized down-time.

Voice Radio System

This project was established to acquire additional radio equipment and technical support. Specific work included:

- The purchase of three additional repeaters for the Fairview Heights site for compliance with licenses and the purchase of additional mobile and portable radios.
- The purchase of eight portable 2-way smart-system radios due to new personnel (4 -Kewanee, 2 -Centralia, 1 -Decatur, and 1 spare).

- 24           • The upgrade of the smart zone radio system to a newer version; the old version was  
25           no longer supported by the vendor.
- 26           • The purchase of a micro-processor based remote terminal unit (“MOSCAD”)  
27           gateway for Belleville to return substation alarms to Central Dispatch. This system,  
28           which was a transmission control protocol/internet protocol (“TCP/IP”) interface,  
29           replaced an old alarm transmitter display that was retired.

#### 30   Champaign Service Facility

31           High maintenance costs, the need for annual inspections, and continual leaks required  
32           the replacement of the existing 28 year old roof on the service unit building and the garage.

#### 33   Galesburg Service Facility

34           The Galesburg project consisted of constructing a new facility to replace the original service unit  
35           building. The original building was approximately 45 years old and was in need of major renovation.  
36           The existing structure did not support operational needs and required a high level of maintenance.  
37           Among other factors, with the consolidation of the Galesburg and Kewanee service areas, the original  
38           building’s facilities could not handle the combined workforce. In addition, the existing facility was land  
39           locked with no room for expansion due to an active railway separating the storage yard from the pole  
40           yard. The benefits of the new facility include lower maintenance costs and improved operating  
41           efficiencies, as well as full compliance with the Americans with Disabilities Act. In addition, the railway  
42           land lock situation has been eliminated which will allow for needed expansion to handle additional  
43           material in the storage and pole yards.



## ILLINOIS POWER COMPANY

## Intangible Plant

Projects With Individual Plant Addition Amounts in Excess of \$250,000  
Completed During the Period 1998 through 2000

<u>Line No.</u>	<u>Name of Project</u>	<u>Year Placed In Service</u>	<u>Total Plant Addition Amount</u>	<u>Electric Distribution Jurisdictional Allocation Percentage 1)</u>	<u>Amount Allocated to Electric Distribution</u>
1	Resource Management & Dispatching System	2000	\$ 10,021,787	57.9%	\$ 5,802,615
2	Distribution Reliability Assessment Tool	2000	377,000 2)	57.9%	218,283
3	Electric Compliance System	2000	<u>407,005</u>	57.9%	<u>235,656</u>
4	Total Intangible Plant Projects		<u><u>\$ 10,805,792</u></u>		<u><u>\$ 6,256,554</u></u>

1) Based on labor allocation factors presented by IP witness Carter, see IP Exhibit 1.4.

2) Total project cost was \$390,000 of which \$13,000 was classified as General Plant.

## Intangible Plant

Projects With Individual Plant Addition Amounts in Excess of \$250,000  
Completed During the Period 1998 through 2000

Resource Management and Dispatching System

The Resource Management and Dispatching (“RMD”) System is a computerized scheduling, dispatching and monitoring system and consists of hardware and software computer equipment. The system allows for information transfers to occur between a centralized dispatch center and field personnel responsible for working daily orders. The system incorporates Mobile Data Terminals (“MDTs”) in each of the field personnel’s vehicles, a computerized scheduling system for both Customer Service Representatives (“CSRs”) and Centralized Dispatchers, and a mobile data radio system. The RMD’s scheduling system allows for automated scheduling of field orders by CSRs in the Answer Center. As resources become available, the order is scheduled for a given day and then placed into a work queue and is automatically scheduled and sent to the appropriate field personnel based on predetermined work grids. A benefit of the RMD is better utilization of Company resources in completing field work, as well as improved customer satisfaction by allowing customers to know when the Company will be performing requested field work. A benefit of the MDT is the updating capability of customer records on a real time basis as well as eliminating order entry steps, which makes this process more efficient.

Distribution Reliability Assessment Tool

The Distribution Reliability Assessment Tool (“Tool”) consists of computer hardware and software that provides for system reliability analysis to be conducted using the Company’s electric distribution circuit performance and outage data. The Tool identifies areas of poor reliability, associated reliability improvement projects and cost estimates for mitigation. The projects are then prioritized for management review to determine where the greatest reliability improvement could be achieved with available funding.

23 Electric Compliance System

24       The Electric Compliance System project consists of hardware and software computer  
25 equipment utilized to manage the procedural and maintenance activities of the Company's electric  
26 distribution system. This system includes the maintenance activities, the time frames for performing  
27 maintenance tasks and the appropriate interconnection to other databases to create maintenance tickets.  
28 The system tracks and issues status reports for these maintenance activities. The system assists  
29 management in making informed decisions regarding the scheduling of maintenance activities, tracking  
30 the completion status for these activities and assessing the level of resources necessary to complete the  
31 required activities. Management can use this system to measure whether the Company is in compliance  
32 with its internal maintenance policies and procedures. Formerly, these activities were tracked locally  
33 (by each local area) on spreadsheets and paper documents. Management did not have the ability to  
34 verify progress or compliance on a regular basis without conducting field audits to review the  
35 paperwork (which was extremely resource and time intensive). Today, with the new system, progress  
36 and compliance can be tracked electronically.

ILLINOIS POWER COMPANY

Development of Overall Rate Base Adjustment  
For Electric Distribution Plant

Line No.	FERC Account	New Business			Rebuild Due to Condition		
		Actual Additions as of 3/31/01	Remaining Additions	Total Additions	Actual Additions as of	Remaining Additions	Total Additions
1	360						
2	361	\$ 889	\$ -	\$ 889		\$ 354	\$ 354
3	362	16,904		16,904		6,719	6,719
4	363						
5	364	2,156,734	5,829,700	7,986,434	\$ 2,674,998	7,592,947	10,267,945
6	365	2,136,417	5,817,842	7,954,259	2,663,704	7,579,954	10,243,658
7	366	966,319	2,842,910	3,809,229	378,938	395,153	774,091
8	367	1,449,478	4,264,366	5,713,844	568,407	592,730	1,161,137
9	368	2,835,566		2,835,566			
10	369						
11	370				309,128		309,128
12	371						
13	372						
14	373	<u>74,495</u>	<u>43,481</u>	<u>117,976</u>	<u>41,410</u>	<u>47,641</u>	<u>89,051</u>
15	Total	<u>\$ 9,636,802</u>	<u>\$ 18,798,299</u>	<u>\$ 28,435,101</u>	<u>\$ 6,636,585</u>	<u>\$ 16,215,498</u>	<u>\$ 22,852,083</u>

ILLINOIS POWER COMPANY

Development of Overall Rate Base Adjustment  
For Electric Distribution Plant

Line No.	FERC Account	Rebuild Due to Capacity			Substation Equipment		
		Actual Additions as of	Remaining Additions	Total Additions	Actual Additions as of	Remaining Additions	Total Additions
1	360						
2	361				\$ 470,766	\$ 62,691	\$ 533,457
3	362				8,853,859	368,250	9,222,109
4	363						
5	364	\$ 1,579,028	\$ 5,251,620	\$ 6,830,648	67,649	25,380	93,029
6	365	1,579,028	5,251,620	6,830,648	67,649	25,149	92,798
7	366				8,757	0	8,757
8	367				166,383	0	166,383
9	368				90,693	822,873	913,566
10	369						
11	370						
12	371						
13	372						
14	373					847	847
15	Total	<u>\$ 3,158,056</u>	<u>\$10,503,240</u>	<u>\$ 13,661,296</u>	<u>\$ 9,725,756</u>	<u>\$ 1,305,190</u>	<u>\$ 11,030,946</u>

## ILLINOIS POWER COMPANY

### Development of Overall Rate Base Adjustment For Electric Distribution Plant

Line No.	FERC Account	Relocate			Total Distribution		
		Actual	Remaining	Total	Actual	Remaining	Total
		Additions as of	Additions	Additions	Additions as of	Additions	Additions
1	360						
2	361				\$ 471,655	\$ 63,045	\$ 534,700
3	362				8,870,763	374,969	9,245,732
4	363						
5	364	\$ 658,293	\$ 2,043,161	\$ 2,701,454	7,136,702	20,742,808	27,879,510
6	365	658,293	2,043,161	2,701,454	7,105,091	20,717,726	27,822,817
7	366	23,505	15,589	39,094	1,377,519	3,253,652	4,631,171
8	367	35,258	23,382	58,640	2,219,526	4,880,478	7,100,004
9	368				2,926,259	822,873	3,749,132
10	369						
11	370						
12	371						
13	372						
14	373				115,905	91,969	207,874
15	Total	\$ 1,375,349	\$ 4,125,293	\$ 5,500,642	\$ 30,532,548	\$ 50,947,520	\$ 81,480,068
16	Retirements related to the above additions (see Revised IP Exhibit 1.9)						(10,735,000)
17	Additions net of retirements						\$ 70,745,068

## ILLINOIS POWER COMPANY

Development of Overall Rate Base Adjustment  
For Electric General Plant

Line No.	FERC Account	Electric General Plant 1)			
		Actual Additions as of 3/31/01	Remaining Additions	Total	Additions
1	389	\$ -		\$	-
2	390	3,778	\$ 182,184		185,962
3	391	185,444	\$ 1,689,697		1,875,141
4	392	88,734	\$ 2,747,681		2,836,415
5	393				
6	394	0			0
7	395	0			0
8	396				
9	397	128,156	0		128,156
10	Total	<u>\$ 406,112</u>	<u>\$ 4,619,562</u>	\$	5,025,674
11	Retirements related to the above additions (see Revised IP Exhibit 1.9)				(70,000)
12	Additions net of retirements			<u>\$</u>	<u>4,955,674</u>

1) The amounts shown on this exhibit are the portions of the total project costs allocated to electric distribution.

## ILLINOIS POWER COMPANY

Corrected Revised IP Exhibit 2.9

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## General Plant

Projects Scheduled for Completion During the Period January 1, 2001 through June 30, 2002

Line No.	Name of Project	Month/Year Placed In Service	Total Plant Addition Amount	Jurisdictional Electric Distribution Allocation Percentage 1)	Amount Allocated to Electric Distribution
1	Fleet - Electric Distribution	various	\$ 5,204,844	57.9%	\$ 3,013,605
2	Replace BellSouth Alarm Transmitter with MOSCAD	Dec-01	188,865	57.9%	109,353
3	Smartzone Upgrade of Mobile and Handheld Radios	Oct-01	377,730	57.9%	218,706
4	Replace Mobile Data Terminals	Jun-02	2,461,640	57.9%	1,425,290
5	Replace Service Area Building Roof - Hillsboro	Sep-01	300,686	57.9%	174,097
6	Galesburg-Drainage	July-01	5,894	57.9%	3,412
7	Bloomington-Replace heat pump	Dec-01	37,718	57.9%	21,839
8	Maryville-Replace ice machines for crew water coolers	Dec-01	12,956	57.9%	7,502
9	East St. Louis-Gate camera/weld shop	June-01	23,574	57.9%	13,649
10	Decatur (Central Dispatch)-Replace batteries for power outage backup to systems	July-01	58,941	57.9%	34,127
11	Galesburg-Window security and insulation coverings	May-01	<u>7,072</u>	57.9%	<u>4,095</u>
12	Total General Plant Projects		<u>\$ 8,679,920</u>		<u>\$ 5,025,674</u>

1) Based on labor allocation factors presented by IP witness Carter, see IP Exhibit 1.4



## General Plant

Projects Scheduled for Completion During the Period January 1, 2001 through June 30, 2002Fleet – Electric Distribution

The electric vehicle fleet purchase and replacement project involves the purchase and replacement of vehicles and associated equipment utilized in the provision of electric service to customers. Examples of the types of equipment included in the project are automobiles, light duty trucks, medium duty trucks such as aerial devices, material handlers, digger derricks, digging equipment, trenchers, trailers and other service-related equipment. Illinois Power is continuously purchasing and replacing vehicles and equipment used to provide electric service. By replacing vehicles on a set schedule related to either miles or age of vehicle, the Company obtains benefits from more modern vehicle technology, improved productivity and fuel economies, and minimized down-time. All fleet replacements included in this project will either be purchased or ordered during 2001.

Replace BellSouth Alarm Transmitter with MOSCAD

The replacement effort involves the purchase of Motorola Moscad Remote Terminal Units (“RTU”). These RTUs will be installed at all radio tower sites to monitor various conditions at each site including: 1) any loss of normal AC power, 2) backup generator in operation or 3) sudden increased temperature inside any of the radio buildings. The RTUs will transmit information back to the Company’s North Decatur facility (through SCADA) and then to Central Dispatch for use in responding to and resolving any problems encountered prior to any loss of voice radio communications.

18 Smartzone Upgrade of Mobile and Handheld Radios

19       The upgrade effort involves the purchase of Smartzone radios to replace existing Spectra C9  
20 radios for areas that have undergone conversion to Smartzone. The Company has completed the  
21 system upgrade of all radio tower sites to Motorola Smartzone Trunk Radio technology. Benefits  
22 associated with this upgrade included improved radio communications through overlapping of coverage  
23 areas. The Company's existing non-Smartzone radios maintained basic functionality but did not possess  
24 the roaming capabilities associated with a Smartzone radio. All portable radios and one-third of the  
25 mobile radios have already been replaced. This project will replace the remaining mobile radios with  
26 new Smartzone radios.

27 Replace Mobile Data Terminals

28       In 1995, ruggedized laptop computers, referred to as Mobile Data Terminals ("MDTs"), were  
29 installed in the Company's line trucks for the purposes of electronically dispatching orders and  
30 electronic viewing of electric and gas facility maps. The expected lifespan of the initial MDT hardware  
31 has been exceeded with the maintenance agreement for this equipment expiring in September 2001.  
32 The current operating system for the MDTs is now no longer supported by its software vendor. In  
33 addition, new functionality and features have been added to the electronic mapping software requiring  
34 larger "color capable" screens which the current MDTs do not have. This effort involves the  
35 replacement of all existing MDTs with newer models. The new laptops will have the latest operating  
36 system that should be supported during the planned lifespan of the new hardware.

37 Replace Service Area Building Roof - Hillsboro

38 High maintenance costs, the need for annual inspections, and continual leaks now require the  
39 replacement of the existing roof and deteriorated roof deck. The existing roof consists of the original  
40 roof plus a second layer installed in 1985.

41 Other Replacement and Restoration Projects of General Plant Facilities

42 These projects involve the renovation and/or upgrade of Company facilities and equipment used  
43 by area personnel in ongoing operational activities. Projects range from improvement in drainage, to  
44 installation of security equipment, to utilization of insulating material to promote energy efficiency.

ILLINOIS POWER COMPANY

Development of Overall Rate Base Adjustment  
For Electric Intangible Plant

Line No.	FERC Account	Electric Intangible Plant 1)		
		Actual Additions as of 3/31/01	Remaining Additions	Total Additions
1	303	\$ 352,805	950,277	\$ 1,303,082
2	Total	<u>\$ 352,805</u>	<u>\$ 950,277</u>	<u>\$ 1,303,082</u>

1) The amounts shown on this exhibit are the portions of the total project costs allocated to electric distribution.

ILLINOIS POWER COMPANY

Corrected Revised IP Exhibit 2.10  
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Intangible Plant

Projects Scheduled for Completion During the Period January 1, 2001 through June 30, 2002

<u>Line No.</u>	<u>Name of Project</u>	<u>Year Placed In Service</u>	<u>Total Plant Addition</u>	<u>Electric Distribution Jurisdictional Allocation Percentage 1)</u>	<u>Amount Allocated to Electric Distribution</u>
1	Reliability Centered Maintenance	February-02	\$ 895,406	57.9%	\$ 518,440
2	Resource Management Transition Enhancements	March-02	804,159	57.9%	465,608
3	Small Intangible Plant Projects	various	<u>551,009</u>	57.9%	<u>319,034</u>
4	Total Intangible Plant Projects		<u><u>\$ 2,250,574</u></u>		<u><u>\$ 1,303,082</u></u>

1) Based on labor allocation factors presented by IP witness Carter, see IP Exhibit 1.4

## Intangible Plant

Projects Scheduled for Completion During the Period January 1, 2001 through June 30, 2002Reliability Centered Maintenance

The Reliability Centered Maintenance ("RCM") philosophy defines maintenance activities based on actual equipment condition obtained from operating and non-invasive testing. The Company's previous substation maintenance program utilized a time-based philosophy that scheduled maintenance based on the time from the last maintenance performed on a particular substation device or facility component. A component of RCM, Predictive Maintenance, incorporates the use of inspection or periodic testing based monitoring to form the basis for condition-based maintenance. The data, collected through the RCM activities, is used to determine the condition of the equipment and provide the capability to predict the need for a substation facility overhaul. RCM will include utilization of hardware and software designed to provide for: 1) automated repository of large amounts of substation condition data, 2) identification of maintenance activities based on condition parameters, 3) equipment failure tracking and 4) performance and process reporting. The benefits to be achieved through the use of RCM include: 1) a reduction in the number of substation failures, 2) condition based information that will allow for better maintenance decisions, 3) a reduction in overall maintenance expenses by reducing corrective maintenance expenses and extension of maintenance cycles from one overhaul to the next and 4) an improvement in system reliability and availability.

18    Resource Management Transition Enhancements

19            The effort expands the current scheduling and tracking of work for two man crews via Mobile  
20    Data Terminals (“MDTs”) to now include one man crews. Work which will be included in MDT  
21    utilization includes trouble orders, service orders, and compliance orders for both electric and gas one  
22    man crews. The expansion to one man crews will not only allow for electronic tracking of work but  
23    also immediate procedural inspection information for reliability purposes, standardization of work  
24    practices and the opportunity to significantly improve the productivity of one man crews. The electric  
25    distribution component of this effort is scheduled for completion by March 31, 2002.

26    Small Intangible Plant Projects

27            These small expenditure projects involve enhancements made to existing systems like the  
28    Trouble Outage System, Substation Maintenance system, or Area Resource Management system for  
29    the purpose of addressing process changes associated with the implementation of Asset Management or  
30    the Company’s enhanced focus on electric reliability.

**ILLINOIS COMMERCE COMMISSION**

**DOCKET NO. 01-0432**

**SUPPLEMENTAL DIRECT TESTIMONY OF**

**JOHN P. BARUD**

**AUGUST 16, 2001**

**I. Introduction and Purpose**

1. Q. Please state your name, business address and present position.

A. John P. Barud, 2460 North Jasper Street, Decatur, Illinois 62526. I am employed by Illinois Power Company (“Illinois Power,” “IP or “Company”) as Senior Director – Metro North Region.

2. Q. Have you previously submitted testimony and exhibits in this proceeding?

A. Yes, I previously submitted exhibits identified as IP Exhibits 2.1 through 2.11. IP Exhibit 2.1 is my prepared direct testimony.

3. Q. What additional evidence are you submitting at this time?

A. I am submitting supplemental direct testimony identified as IP Exhibit 2.12, as well as Revised IP Exhibits 2.3, 2.4, 2.5, 2.6, 2.9 and 2.10.

4. Q. What is the purpose of your revised exhibits?

A. The purpose of my revised exhibits is to incorporate various corrections into the correspondingly-numbered exhibits that were included in Illinois Power’s original filing on June 1, 2001.

**II. Projects Placed in Service 1998-2000**

5. Q. Please describe Revised IP Exhibit 2.3.



23           A.     Revised IP Exhibit 2.3 lists and describes electric distribution plant  
24                 projects with individual plant additions amounts that were placed into  
25                 operation during the period 1998 through 2000. One such project which  
26                 was not included on IP Exhibit 2.3 has been identified and included on  
27                 Revised IP Exhibit 2.3. That project is the Champaign Southwest Campus  
28                 Transformer project. The other projects listed on this exhibit, and their  
29                 respective amounts and descriptions, are the same as on IP Exhibit 2.3.

30       6.     Q.     Please describe Revised IP Exhibit 2.4.

31           A.     Revised IP Exhibit 2.4 lists and describes general plant projects with  
32                 individual plant additions amounts in excess of \$250,000 that were placed  
33                 into service during the period 1998 through 2000. It was determined that  
34                 several projects meeting these criteria were omitted from IP Exhibit 2.4.  
35                 These projects, which are now listed and described on Revised IP Exhibit  
36                 2.4, are: Belleville Service Facility; Fleet – Electric Distribution (1999);  
37                 Fleet – Electric Distribution (2000); Voice Radio System; and the  
38                 Champaign Service Facility. In addition, the total plant amount for the  
39                 new Galesburg Service Center has been revised from \$6,509,000, as  
40                 shown on IP Exhibit 2.4, to \$6,667,000 as shown on Revised IP Exhibit  
41                 2.4. The total plant amount for the Galesburg Service Center includes the  
42                 cost of both the building and the land.

43                     As I mentioned in Section IV.B of my direct testimony, IP Exhibit  
44                 2.1, the Galesburg Service Center was operationally in service as of  
45                 December 31, 2000, but was still recorded in Construction Work in

Progress (“CWIP”) accounts on that date. Therefore, this project is included in IP witness Carter’s adjustment for plant transferred from CWIP to Utility Plant in Service, as shown on Revised IP Exhibit 1.7. Finally, one project that was listed on original IP Exhibit 2.4, the Distribution Reliability Assessment Tool, is not included on Revised IP Exhibit 2.4, for reasons I discuss in my next answer.

Revised IP Exhibit 2.4 also shows the portion of the cost of each project that is allocated to Electric Distribution.

7. Q. Please describe Revised IP Exhibit 2.5.

A. Revised IP Exhibit 2.5 lists and describes intangible plant projects with individual plant additions amounts in excess of \$250,000 that were placed into service during the period 1998 through 2000. It was determined that one project meeting these criteria was omitted from IP Exhibit 2.5. This project, which is now listed and described on Revised IP Exhibit 2.5, is the Resource Management & Dispatching System Project. In addition, the Distribution Reliability Assessment Tool, originally reflected on IP Exhibit 2.4, was incorrectly identified as a general plant project and should have been identified as an intangible plant project. The total plant amount for the Distribution Reliability Assessment Tool has been revised from \$349,000 to \$390,000 (of which \$377,000 is classified as intangible plant and \$13,000 as general plant), as shown on Revised IP Exhibit 2.5. As I stated in Section IV.B of my direct testimony, IP Exhibit 2.1, the Distribution Reliability Assessment Tool was operationally in service as

of December 31, 2000 but was still recorded in CWIP accounts on that date. This project is also included in IP witness Carter's adjustment for plant transferred from CWIP to Utility Plant in Service, as shown on Revised IP Exhibit 1.7.

Revised IP Exhibit 2.5 also shows the portion of the cost of each project that is allocated to Electric Distribution.

8. Q. Does the addition of projects on Revised IP Exhibits 2.3, 2.4 and 2.5 that were not included on IP Exhibits 2.3, 2.4 and 2.5 as originally filed increase the Company's proposed rate base?

A. No. Each of the projects that have been added to these exhibits were included in Utility Plant in Service accounts as of December 31, 2000, and therefore the portion of their respective total costs allocated to Electric Distribution were included in the Company's proposed rate base in its June 1, 2001 filing.

### **III. Additions to Electric Distribution Plant Scheduled to be Placed In Service by June 30, 2002**

9. Q. Please describe Revised IP Exhibit 2.6.

A. Revised IP Exhibit 2.6 reflects several corrections to IP Exhibit 2.6 as originally filed. First, the dollars shown in the "Actual Additions as of 3/31/01" columns of IP Exhibit 2.6 included only expenditures recorded from January 1, 2001 through March 31, 2001, on the projects covered by the exhibit, and did not include expenditures on these projects recorded prior to January 1, 2001. Revised IP Exhibit 2.6 now includes all expenditures made through March 31, 2001 on any of the projects covered

93 by this exhibit, in the “Actual Additions as of 3/31/01” columns.  
94 However, in most cases this does not result in an increase in the total cost  
95 of the project; rather, there are corresponding reductions in the amounts  
96 shown in the “Remaining Additions” columns, as compared to the  
97 amounts shown on IP Exhibit 2.6.

98 Second, in developing the amounts shown in the “Actual Additions  
99 as of 3/31/01” columns on IP Exhibit 2.6, forecasted loading factors were  
100 applied to actual direct construction expenditures recorded from January 1,  
101 2001 through March 31, 2001. In contrast, on Revised IP Exhibit 2.6, the  
102 amounts shown in the “Actual Additions as of 3/31/01” columns were  
103 developed by applying actual loading factors to the direct construction  
104 expenditures recorded through March 31, 2001.

105 Third, the amounts shown in the “Actual Additions as of 3/31/01”  
106 columns on IP Exhibit 2.6 included expenditures for cost of removal for  
107 retired plant and equipment. These amounts are not included on Revised  
108 IP Exhibit 2.6.

109 As a result of these revisions, the “Total Additions” for “Total  
110 Distribution” as shown on page 3 of Revised IP Exhibit 2.6 is increased to  
111 \$81,480,068 from \$81,385,907 shown on original IP Exhibit 2.6. The  
112 “Actual Additions as of 3/31/01” for “Total Distribution” as shown on  
113 page 3 of Revised IP Exhibit 2.6 is increased to \$30,532,548 from  
114 \$17,216,090 shown on original IP Exhibit 2.6.

115 In addition, on page 3 of Revised IP Exhibit 2.6, I have added lines  
116 16 and 17 to show the amount of distribution plant and equipment that will  
117 be retired because it will be replaced by the distribution capital additions  
118 presented on this exhibit, and the net amount of electric distribution  
119 additions less the related retirements. The dollar amount of the  
120 retirements was developed by IP witness Carter.

121 **IV. Additions to General Plant Scheduled to be**  
122 **Placed In Service by June 30, 2002**

123 10. Q. Please describe Revised IP Exhibit 2.9.

124 A. Revised IP Exhibit 2.9 incorporates several corrections to IP Exhibit 2.9 as  
125 originally filed. Specifically, as with IP Exhibit 2.6, the amounts shown in  
126 the “Actual Additions as of 3/31/01” column on page 1 of IP Exhibit 2.9  
127 (i) did not include expenditures recorded on the projects covered by the  
128 exhibit prior to January 1, 2001, and (ii) were developed by applying  
129 forecasted loading factors to direct construction expenditures recorded  
130 from January 1, 2001, through March 31, 2001. On Revised IP Exhibit  
131 2.9, the amounts shown in the “Actual Additions as of 3/31/01” column (i)  
132 include expenditures on the projects covered by this exhibit that were  
133 recorded prior to January 1, 2001, as well as expenditures recorded from  
134 January 1, 2001 through March 31, 2001, and (ii) were developed by  
135 applying actual loading factors to the recorded direct construction  
136 expenditures. As a result, the “Actual Additions as of 3/31/01” shown on  
137 Revised IP Exhibit 2.9 is increased to \$406,112 from \$21,697 shown on  
138 original IP Exhibit 2.9. However, corresponding reductions have been

made to the amounts in the “Remaining Additions” column so that the “Total Additions”, \$5,025,674, remains the same as on original IP Exhibit 2.9.

In addition, on page 1 of Revised IP Exhibit 2.9, I have added lines 11 and 12 to show the amount (electric distribution allocated portion) of general plant and equipment that will be retired because it will be replaced by the general plant capital additions presented on this exhibit, and the net amount of general plant additions less retirements. The dollar amount of the general plant retirements was developed by IP witness Carter.

**V. Additions to Intangible Distribution Plant Scheduled to be  
Placed In Service by June 30, 2002**

11. Q. Please describe Revised IP Exhibit 2.10.

A. Revised IP Exhibit 2.10 incorporates several corrections to IP Exhibit 2.10 as originally filed. Specifically, as with IP Exhibit 2.6, the amounts shown in the “Actual Additions as of 3/31/01” column on page 1 of IP Exhibit 2.10 (i) did not include expenditures recorded on the projects covered by the exhibit prior to January 1, 2001, and (ii) were developed by applying forecasted loading factors to direct construction expenditures recorded from January 1, 2001, through March 31, 2001. On Revised IP Exhibit 2.10, the amounts shown in the “Actual Additions as of 3/31/01” column (i) include expenditures on the projects covered by this exhibit that were recorded prior to January 1, 2001, as well as expenditures recorded from January 1, 2001 through March 31, 2001, and (ii) were developed by applying actual loading factors to the recorded direct construction

163 expenditures. As a result, the “Actual Additions as of 3/31/01” shown on  
164 Revised IP Exhibit 2.10 is increased to \$352,805 from \$166,763 shown on  
165 original IP Exhibit 2.10. However, corresponding reductions have been  
166 made to the amounts in the “Remaining Additions” column so that the  
167 “Total Additions”, \$1,303,082, remains the same as on original IP Exhibit  
168 2.10.

169 12. Q. Does this conclude your supplemental direct testimony?

170 A. Yes, it does.